

Kuraray Genestar[®],ç G1500A-M61 Nylon, 50% Glass Filled

Category : Polymer , Thermoplastic , Nylon

Material Notes:

50% Glass reinforced injection grade. Main Features:High strengthHeat resistanceExamples of applications:Structural partsSteel alternating parts

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-Genestar-G1500A-M61-Nylon-50-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	
Density	1.58 g/cc	0.0571 lb/in ³	ISO 1183
Water Absorption	0.13 %	0.13 %	ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	250 MPa	36300 psi	ISO 527-1/-2
Elongation at Break	2.0 %	2.0 %	ISO 527-1/-2
Tensile Modulus	16.4 GPa	2380 ksi	ISO 527-1/-2
Flexural Strength	370 MPa	53700 psi	ISO 178
Flexural Modulus	15.3 GPa	2220 ksi	ISO 178
Charpy Impact, Notched	1.70 J/cm ²	8.09 ft-lb/in ²	ISO 179/1eA
Coefficient of Friction	0.30	0.30	ISO JIS K7218-A
K Factor (Wear Factor)	60	60	[mg]
Limiting Pressure Velocity	1.00 MPa-m/sec	28600 psi-ft/min	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	16.0 Åµm/m-Å°C	8.89 Åµin/in-Å°F	ASTM D696
CTE, linear, Transverse to Flow	36.0 Åµm/m-Å°C	20.0 Åµin/in-Å°F	ASTM D696
Melting Point	300 Å°C	572 Å°F	10Å°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	275 Å°C	527 Å°F	ISO 75-1/-2

Thermal Properties ^{mp, Tg}	Metric ^{°C}	English	Comments ^{ISO 11357-1/-2}
Descriptive Properties	Value		Comments
Additives	Release Agent		
Applications	Automotive		
	General Purpose		
Chemical Resistance	Acid Resistance		
	Alkali Resistance		
	Environmental Stress Crack Resistance		
	General Chemical Resistance		
	Grease Resistance		
	Hydrolytically Stable		
	Oil Resistance		
	Solvent Resistance		
Delivery Form	Black		
Other Features	Barrier Properties		
	Creep Resistance		
	High Crystallinity		
	Thermal Stability		
	Weldable		
Regional Availability	Asia Pacific		
	Europe		
	Near East/Africa		
	North America		
	South and Central America		
Special Characteristics	Heat Stabilized or Stable to Heat		

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China